



Interoperability for the Joint Warfighter

***US Joint Forces Command
and
Interoperability for the Joint Warfighter***

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Interoperability

Interoperability for the Joint Warfighter

Interoperability: The ability of systems, units, or forces to provide services to and accept services from other systems, units or forces and to use the services exchanged to enable them to operate effectively together.

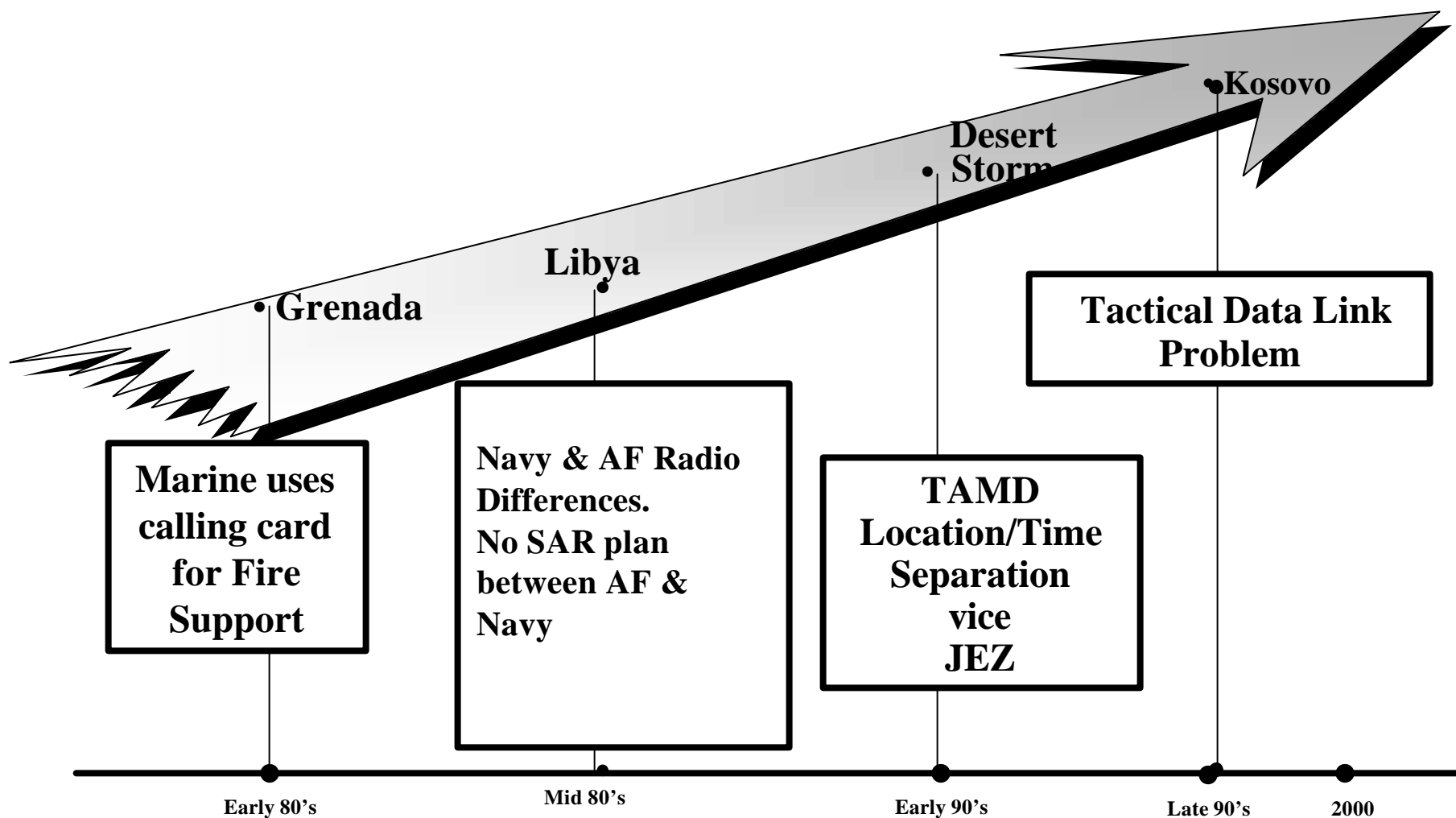
Interoperability is key to our ability to Integrate our forces





Interoperability for the Joint Warfighter

“A History of Suboptimized” Interoperability





Interoperability Strategy

Interoperability for the Joint Warfighter

Ensuring Future Systems are Born Joint

Enforce Interoperability

- Review MNS/ORD/CRD
 - ACAT I/selected ACAT II and below
 - CJCS 3170.01A Tasking
 - CJCS 6212 Tasking
- Enforce Outcome based interoperability

Define Interoperability Requirements (CRDs)

- Theater Air Missile Defense
- Combat Identification
- Global Information Grid
- Information Dissemination Management

DOTMLP Processes

- JFCOM Integration Council
- Joint Interoperability and Integration
 - IER/I Kpp validation
 - Support Interoperability testing
 - DOTMLP synchronized approach

Addressing Legacy System Issues

Engagements

- Single Integrated Air Picture System Engineer
- Joint Interface Control Officer
- All Service Combat Identification Evaluation Team
- Joint C4ISR Battle Center
- Joint Distributed Engineering Plant

Pick our fights carefully



Joint Interoperability & Integration (JI&I) Tool

Interoperability for the Joint Warfighter

Challenge

- **Ensuring future interoperability by**
 - Validation of IERs/I-KPP for new systems
- **Support interoperability testing by**
 - Providing viable IERs/I-KPP for testing
- **Legacy system interoperability issues**
 - Develop synchronized DOTMLP solutions
 - Seek biggest “bang for the buck”

Approach

- **Implement JI&I**
 - **Staffing function to achieve**
 - Validated IERs / Interoperability KPP
 - Comprehensive interoperability testing
 - Synchronized DOTMLP solutions
 - **Stabilization fund**
 - Bridge the POM gap
 - Facilitate DOTMLP requirements

JI&I

Background

- **UCP 99**
 - Chief Advocate of Jointness
 - Joint Force Integrator
- **CJCSI 3170.01A**
 - Interoperability KPP/IER Review
- **I JWCA Interoperability focus**
 - JI&I continues important work

Way ahead

- **USJFCOM / JROC partnership to affect interoperability**
 - JROC work list endorsement
 - JROC approve DOTMLP solutions
- **Increased responsiveness to Joint Warfighter needs**

JI&I is a tool that facilitates JFCOM accomplishment of assigned Interoperability and Integration missions.



Problem Statement: Multi-TADIL Network & Information Management Ineffective as demonstrated during ASCIET, Roving Sands, and real world lessons learned.

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SOLUTION

JI & I

JICO / JDN Products:

- JDN OPS Manual CJCSM 3115.01
- JICC-D
- Link-16 Strategic Node
- JICO Course
- Contingency Tool (3 CINCs 2 JICC-D)
- JSS ORD
- Multi-TADIL Lab (FORSCOM)
- USJFCOM Leadership
- 77 Designated JICO Billets

Joint Interoperability and Integration (Proposed)



FY02 Interoperability Targets (examples)

Interoperability for the Joint Warfighter

- **TADIL Interoperability**
 - Supports A-J translation, TIBS translating and forwarding, Link 16-VMF
- **Army/USMC digitization of the Battlefield**
 - **JI&I support for interoperability between Army MCS and USMC TCO**
 - ◆ Initial software implementation/logistics support
 - ◆ Testing/CONOPS development
- **Coalition Multi-level Security**
 - **Transition funding for current ACTD (CBIS)**
 - ◆ Security Accreditation
 - ◆ Initial software fielding, ILS, configuration control
 - ◆ TTP development
- **Collaborative Planning Tools**
 - **JI&I/JBC assessing contender collaborative tools**
 - ◆ On-ramp funding for selected alternative
 - ◆ DOTMLP synchronization for increased planning capability

Exact Funding Requirement contingent upon development of synchronization plans.

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Interoperability for the Joint Warfighter

BACK UP SLIDES



Engagement on Key Interoperability Issues

Interoperability for the Joint Warfighter

- **SIAP**

- **Goal: One track per object w/accurate and consistent CID**
- **Common engineering approach needed**
- **New organization to provide this capacity created**

- **JICO**

- **Multi-TADIL planning, analysis & management tool needed**
- **Contingency, Interim and Objective Tool Sets identified**
- **JICO Support System (JSS) initiatives on going**



Engagement on Key Interoperability Issues

Interoperability for the Joint Warfighter

- **ASCIET**
 - **Joint, four mission element evaluation of CID interoperability**
 - **Comprehensive “truth” instrumentation (Unique within DoD)**
 - **Rigorous scenario and debriefings**
 - **Objective findings and recommendations**



ASCIET Joint TADIL Architecture

Interoperability for the Joint Warfighter

